

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Broadcom Corporation
 Application No. : 09/143,476
 Filed : August 28, 1998
 Title : APPARATUS FOR, AND METHOD OF, REDUCING POWER
 DISSIPATION IN A COMMUNICATIONS SYSTEM

Grp./Div. : Not Assigned
 Examiner : Not Assigned

Docket No. : 34278/JWE/B600

SUBSTITUTION OF ATTORNEY

Assistant Commissioner for Patents
 Washington, D.C. 20231

Commissioner:

BROADCOM CORPORATION, assignee of the entire interest in and to the above-identified United States patent application under an Assignment recorded in the U.S. Patent and Trademark Office on August 28, 1998, a copy of which is attached, hereby revoke(s) all powers of attorney previously given and appoint(s):

R. W. Johnston	(17,968)	Vincent G. Gioia	(19,959)	Kathleen M. Olster	(42,052)
D. Bruce Prout	(20,958)	Edward R. Schwartz	(31,135)	Daniel M. Cavanagh	(41,661)
Hayden A. Carney	(22,653)	John D. Carpenter	(34,133)	Molly A. Holman	(40,022)
Richard J. Ward, Jr.	(24,187)	David A. Plumley	(37,208)	Lucinda G. Auciello	(42,270)
Russell R. Palmer, Jr.	(22,994)	Wesley W. Monroe	(39,778)	Norman E. Carte	(30,455)
LeRoy T. Rahn	(20,356)	Grant T. Langton	(39,739)	Joel A. Kauth	(41,886)
Richard D. Seibel	(22,134)	Constantine Marantidis	(39,759)	Patrick Y. Ikehara	(42,681)
Walter G. Maxwell	(25,355)	John W. Eldredge	(37,613)	Mark Garscia	(31,953)
William P. Christie	(29,371)	Gregory S. Lampert	(35,581)	Gary J. Nelson	(P-44,257)
David A. Dillard	(30,831)	Craig A. Gelfound	(41,032)	Raymond R. Tabandeh	(P-43,945)
Thomas J. Daly	(32,213)	Syed A. Hasan	(41,057)	Phuong-Quan Hoang	(41,839)

all members or associates of or of counsel to the firm CHRISTIE, PARKER & HALE, LLP, telephone 626/795-9900, as principal attorneys with power to appoint associate attorneys, to prosecute this application and any subsequent application based on the disclosure of this application, and to transact all business in the Patent and Trademark Office connected with this application and any subsequent application.


I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING
 DEPOSITED WITH THE U.S. POSTAL SERVICE AS FIRST CLASS MAIL
 IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS
 AND TRADEMARKS, WASHINGTON, D.C. 20231, on

March 11, 1999
 3-11-99 *Marcine Parker*
 (DATE SIGNED)

0930504-091501

Table 1. Continued	
Variable	Mean (SD)
Age (years)	45.2 (12.5)
Gender (male/female)	28/22
Marital status (married/divorced/separated/widowed)	18/10/4/0
Education (years)	12.8 (2.1)
Occupation (white/blue)	15/15
Income (€ per month)	1,200 (300)
Health status (good/fair/poor)	18/10/4
Smoking status (smoker/non-smoker)	12/18
Alcohol consumption (g/day)	20 (40)
Exercise (times/week)	2.5 (1.5)
Stress level (low/moderate/high)	10/10/12
Depression score (0-10)	3.5 (2.5)
Life satisfaction (0-10)	6.5 (2.5)
Quality of life (0-10)	7.5 (2.5)
Work satisfaction (0-10)	5.5 (2.5)
Family satisfaction (0-10)	6.5 (2.5)
Healthcare satisfaction (0-10)	7.5 (2.5)
Overall satisfaction (0-10)	6.5 (2.5)

Please address all correspondence to **CHRISTIE, PARKER & HALE, LLP, P.O. Box 7068, Pasadena, California 91109-7068.**

By 
Henry Samueli
Co-Chairman of the Board
Chief Technical Officer

Date 3-10-99

MG IRV19179.1-* -3/10/99 10:08 am

ASSIGNMENT

Docket No. BRCOM-47966

WHEREAS, we, OSCAR E. AGAZZI, JOHN L. CREIGH, and MEHDI HATAMIAN, respectively, have invented certain new and useful improvements in APPARATUS FOR, AND METHOD OF, REDUCING POWER DISSIPATION IN A COMMUNICATION SYSTEM for which we have today executed application papers for the United States Letters Patent thereon; and

WHEREAS, BROADCOM CORPORATION, a corporation of the State of California, hereinafter called Assignee and having its offices and place of business at 16251 Laguna Canyon Road, Irvine, CA 92618, is desirous of acquiring the entire right, title and interest in and to the aforesaid invention and in and to any and all Letters Patent therefor granted in the United States of America, and in any and all countries foreign thereto;


NOW, THEREFORE, TO WHOM IT MAY CONCERN, be it known that, for and in consideration of the sum of One Dollar (\$1.00) to each of us in hand paid by the said Assignee, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, we OSCAR E. AGAZZI, JOHN L. CREIGH and MEHDI HATAMIAN, by these presents do sell, assign and transfer unto said Assignee, its successors, assigns and legal representatives the full and exclusive right, title and interest for the territory of the United States of America and all countries foreign thereto (including the right to apply for Letters Patent in foreign countries in its own name and to claim any priority rights for such foreign applications to which such applications are entitled under international conventions, treaties, or otherwise), in and to said invention as described in said application, and in and to all Letters Patent granted therefor, and all divisions, reissues and continuations thereof, and we hereby authorize and request the Commissioner of Patents to issue all Letters Patent on said inventions or resulting therefrom to said Assignee, as assignee of the entire right, title and interest, and we covenant that we have full right so to do and agree that we will communicate to said Assignee, or its successors, any and all facts known to us regarding said invention whenever requested and will testify in any legal proceeding, sign all lawful papers, execute all divisional, reissue and continuation applications, and generally do everything possible to aid said Assignee, its successors and assigns, to obtain and enforce proper patent protection for said invention in all countries.

Executed this 12th day of Aug., 1998

DATED: 8/12/98


OSCAR E. AGAZZI

DATED: 8/12/98


JOHN L. CREIGH

DATED: 8/12/98


MEHDI HATAMIAN

DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION

As the below named inventors, we hereby declare that:

Our residences, post office addresses and citizenships are as stated below next to our names.

We believe that we are the original, first and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled APPARATUS FOR, AND METHOD OF, REDUCING POWER DISSIPATION IN A COMMUNICATION SYSTEM the specification of which (check one)

X is attached hereto

 was filed on

As United States Application Number or PCT International
Application No. , and was amended on (if
applicable)

We hereby state that we have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment(s) referred to above.

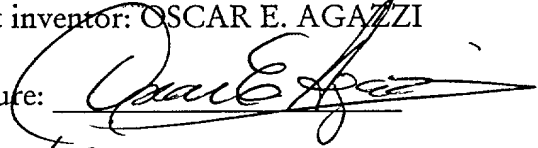
We acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

We hereby claim foreign priority benefits under 35 U.S.C. § 119 (a) - (d) or § 365 (b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed:

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States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first inventor: OSCAR E. AGAZZI

Inventor's signature: 

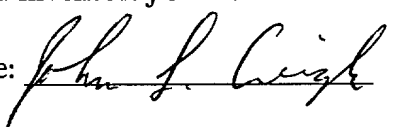
Date: August 8, 1998

Residence: Irvine, California

Citizenship: Argentina

Post Office Address: 38 Deerfield Street
Irvine, CA 92606

Full name of second inventor: JOHN L. CREIGH

Inventor's signature: 


Date: August 12, 1998

Residence: Rancho Santa Margarita, California

Citizenship: United States of America

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Rancho Santa Margarita, CA 92688

Full name of third inventor: MEHDI HATAMIAN

Inventor's signature: 

Date: 8/12, 1998

Residence: Mission Viejo, California

Citizenship: United States of America

Post Office Address: 25681 Pacific Hills Dr.
Mission Viejo, CA 92692